

ATTORNEY DOCKET NO.14014.0342U2  
SERIAL NO. 09/910,588

**Amendments to the specification:**

Please replace the paragraph beginning on page 18, line 29 with the following:

**Pineal cell preparation and treatment:** Pinealocytes were prepared from rat pineal glands by trypsinization as previously described (10). The cells were suspended in Dulbecco's modified Eagle medium (DMEM) containing 10% fetal calf serum and maintained (37°C) for 18 h in a gas mixture of 95% air and 5% CO<sub>2</sub>. During this 18 hour period, some cells were treated, as indicated in Table 23, experiment 2, in aliquots of 50,000 cells/300 µl and washed prior to addition of fresh medium and further treatment. In some cases, as in Table 3, experiment 1, cells were not aliquoted until after 18 hours of control incubation and in these cases, aliquots of cells (50,000 cells/300 µl) were prepared and treated with drugs. Drugs were prepared in 100×times concentrated solutions in water or dimethyl sulfoxide. The duration of the drug treatment was 5 h.

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